My bill will establish up to eight Nanoscience to Commercialization Institutes across the country, each focusing on a specific field of expertise including areas such as energy, electronics, agriculture, medical, textiles and transportation with the purpose of developing and bridging research to the marketplace.

My bill is aimed at narrowing this so-called ''Valley of Death,'' by focusing on bringing research to commercialization. To reach this objective, my bill contains provisions requiring these institutes to partner with private sector entities with experience in micro- and nanotechnology and for each institute to develop and maintain business plans.

My bill will create additional avenues for entities that are engaged in micro- and nanotechnologies to develop research for application in commercial products and services that will ultimately contribute to sustained economic development, an improved quality of living and increased U.S. global competitiveness.

The competitive landscape of nanotechnology is global in nature. Other countries, such as Japan and China are making tremendous investments and advances in various specialties of nanotechnology to gain competitive advantages. It is critical the U.S. demonstrate its global leadership role by further advancing opportunities to advance micro- and nanotechnology to commercial applications.

The future of nanotechnology is a bright future and its potential boundless. The legislation that I am introducing today with Senator CANTWELL supports and encourages the advancement of this exciting technology. I urge my colleagues to support the Nanoscience to Commercialization Institutes Act of 2005.

I ask unanimous consent that the text of the bill be printed in the RECORD.

There being no objection, the bill was ordered to be printed in the RECORD, as follows:

S. 1908

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the ''Nanoscience to Commercialization Institutes Act of 2005''.

SEC. 2. NANOSCIENCE TO COMMERCIALIZATION INSTITUTES.

(a) GRANTS AUTHORIZED.—

(1) IN GENERAL.—The Under Secretary of Technology of the Department of Commerce (referred to in this Act as the ''Under Secretary'') is authorized to award grants to eligible entities to establish up to 8 Nanoscience to Commercialization Institutes (referred to in this Act as ''Institutes'') throughout the United States to assist in the commercialization of nanotechnology.

(2) MAXIMUM AMOUNT.—The Under Secretary shall not award a grant under this section in an amount which exceeds $1,500,000 for any year of the grant period.

(3) DURATION.—The Under Secretary shall award grants under this section for a period not to exceed 3 years.

(4) LOCATION.—The Under Secretary shall ensure that each Institute is located at either a public university or Federal laboratory.

(b) USE OF FUNDS.—

(1) IN GENERAL.—Grants awarded pursuant to subsection (a) shall be used to establish at least 1 Institute in each of the following areas of nanotechnology or microtechnology:

(A) Energy, including clean coal liquification, gasification, and filtration, nuclear energy, biofuels, or fuel processing.

(B) Printable electronics, including electronic displays.

(C) Medical, including diagnostics, imaging, or medical devices.

(D) Transportation, including materials or coatings.

(E) Textiles, including heat resistance, waterproofing, insulation, or fireproofing.

(F) Agriculture.

(2) LIMITATION.—Not more than 20 percent of each grant award may be used for administrative expenses or other overhead costs.

(3) MATCHING REQUIREMENT.—For-profit manufacturing companies conducting research and development in micro- and nanotechnologies shall provide—

(A) not less than 20 percent of the funding for each Institute; and

(B) in addition to the funding under subparagraph (A), in-kind contributions equal to not less than 15 percent of the operating costs of the Institute.

(c) APPLICATION.—

(1) IN GENERAL.—Each entity desiring a grant under this section shall submit an application to the Under Secretary at such time, in such manner, and containing such information as the Under Secretary may reasonably require.

(2) COLLABORATION.—The application submitted under paragraph (1) shall include a business plan that—

(A) describes how each grant recipient will collaborate with the private sector entities that will contribute expertise and matching funds; and

(B) includes goals for the first year of the grant period.

(3) INELIGIBLE ENTITIES.—Any institution of higher education that has a federally funded nanotechnology center or is the primary lead of a nanotechnology center is not eligible for a grant under this section.

(4) PEER REVIEW COMMITTEE.—The Under Secretary shall establish a peer review committee, consisting of representatives from the micro- and nanotechnology industry and early stage venture capital firms, to review the goals and progress made by each Institute during the grant period.

(5) RENEWAL OF GRANTS.—

(A) Each entity that receives an initial 1-year grant under this section shall, as a condition of continued grant funding, submit a report, not later than 1 year after the beginning of the grant period and annually for the next 2 years, to the peer review committee established under paragraph (4).

(B) The report submitted under subparagraph (A) shall describe the Institute's accomplishments during the preceding year and the Institute's goals for the subsequent year.

SEC. 3. AUTHORIZATION OF APPROPRIATIONS.

There are authorized to be appropriated $24,000,000 during the 3-year period beginning on the date of enactment of this Act to carry out the provisions of this Act.

SUBMITTED RESOLUTIONS

SENATE RESOLUTION 284—AUTHORIZING FILMING IN THE CHAMBER OF THE SENATE FOR THE USE BY THE CAPITOL VISITOR CENTER

Mr. LOTT (for himself, Mr. DODD, and Mr. REID) submitted the following resolution; which was considered and agreed to:

S. RES. 284

Resolved,

SECTION 1. AUTHORIZATION OF TAKING OF PICTURES IN SENATE CHAMBER FOR USE BY THE CAPITOL VISITOR CENTER .

(a) AUTHORIZATION.—Subject to subsection (b), paragraph 1 of rule IV of the Rules for the Regulation of the Senate Wing of the United States Capitol and Senate Office Buildings (prohibiting the taking of pictures in the Senate Chamber) is temporarily suspended for the purpose of permitting the taking of pictures while the Senate is in session or in recess for the period beginning on the date of adoption of this resolution and ending October 31, 2005, at locations and times to be determined by the Committee on Rules and Administration.

(b) LIMITATION ON USE OF IMAGES.—The pictures taken under subsection (a) may only be used by the Capitol Visitor Center for a video presentation in the Capitol Visitor Center after the video presentation has been approved by the Committee on Rules and Administration.

(c) ARRANGEMENTS.—The Sergeant at Arms and Doorkeeper of the Senate shall make the necessary arrangements to carry out this resolution, including such arrangements as are necessary to ensure that the taking of pictures under this resolution does not disrupt any proceeding of the Senate.

SENATE RESOLUTION 285—RECOGNIZING THE EFFORTS AND CONTRIBUTIONS OF OUTSTANDING NATIONAL HISPANIC SCIENTISTS

Mr. MARTINEZ (for himself and Mr. SALAZAR) submitted the following resolution; which was considered and agreed to:

S. RES. 285

Whereas the mission of the National Hispanic Scientist of the Year Award is to recognize outstanding national Hispanic scientists who promote a greater public understanding of science and motivate Hispanic youth to develop an interest in science;

Whereas the fifth annual National Hispanic Scientist of the Year Gala will be held at the Museum of Science & Industry in Tampa, Florida on Saturday, October 22, 2005;

Whereas proceeds of the National Hispanic Scientist of the Year Gala support scholarships for Hispanic boys and girls to participate in the Museum of Science & Industry's Youth Enriched by Science Program, known as the ''YES! Team''; and

Whereas a need to acknowledge the work and effort of outstanding national Hispanic scientists has led to the selection of Dr. Edmond Jose Yunis as the honoree of the fifth annual National Hispanic Scientist of the Year Award, in recognition of the research conducted by Dr. Yunis in the genetic mapping of human major histocompatibility complex (MHC) genes and their role in immune responses, aging, and autoimmune diseases: Now, therefore, be it

Resolved, That the Senate—